



Tegile Systems Combines FlashVols with Deduplication, Compression to Maximize Performance of SQL Server Deployments

Newark, Calif. – February 4, 2014 – [Tegile Systems](#), the leading provider of flash-driven storage arrays for virtualized server and virtual desktop environments, today announced the addition of FlashVols to its Metadata Accelerated Storage System (MASS) architecture to optimize SQL performance and integration.

FlashVols are volumes that are pinned in SSD so applications run at maximum performance without the potential delay due to caching algorithms or tiering policies. Combined with Tegile's de-duplication and compression technologies, this enhancement allows large and medium enterprises that need high-performance and high-availability storage to benefit from flash-grade performance without incurring the costs traditionally associated with high RPM disk drives.

"DBAs spend a lot of time looking at storage latency. During our Microsoft FastTrack Data Warehouse testing, we saw latencies in the 1-10 millisecond range which is in line with what one would expect from an all-flash array," said Larry Chestnut, Senior Architect with Scalability Experts in an interview with Microsoft SQL Server MVP Rick Heigis. "Tegile's eMLC NAND flash implementation is very durable as well. Each SSD drive in the system can withstand 3.5 petabytes of write data before you may start to see signs of write wear." The system in the Microsoft FastTrack tests was configured with 10 SSD drives, yielding an aggregate write duty cycle of 35 petabytes.

Tegile Zebi hybrid storage arrays simplify the deployment, configuration and management of SQL Server databases by delivering consistently low latencies while providing the right amount of IOPs for appropriate workloads. Featuring a pool of DRAM, flash and optimized disks, Tegile's Zebi arrays deliver significant acceleration for most Data Warehouse and Business Intelligence workloads when compared to traditional disk arrays or tiered solutions. Pinned volumes remain in DRAM or flash close to the SQL Server without any involvement from the DBA administrator for ultimate ease of use.

In conjunction with Tegile's VSS provider, organizations can use the Zebi array to present multiple copies of the same data from a single source. When copies are updated, only deltas are saved. Using this feature can result in dramatic savings when dealing with testing and development environments that utilize multiple instances of the same database. Inline deduplication and compression reduce overhead for highly repetitive SQL Server workloads.

“We’ve engaged with Microsoft to optimize performance and reduce the cost of SQL Server storage by eliminating the need to create multiple copies of the same data necessary to deliver the required IOPs, saving time and capacity requirements in test and development and database environments,” said Rob Commins, Tegile vice president of marketing. “These savings, in conjunction with deduplication and compression, help organizations ensure that flash resources are better utilized and more efficient. Additionally, SQL workloads are automatically optimized by the MASS architecture, ensuring that administrators can focus on their database environments rather than their storage infrastructure.”

About Tegile Systems

Tegile Systems is pioneering a new generation of flash-driven enterprise storage arrays that balance performance, capacity, features and price for virtualization, file services and database applications. With Tegile’s Zebi line of hybrid storage arrays, the company is redefining the traditional approach to storage by providing a family of arrays that is significantly faster than all hard disk-based arrays and significantly less expensive than all solid-state disk-based arrays.

Tegile’s patented MASS technology accelerates the Zebi’s performance and enables on-the-fly de-duplication and compression of data so each Zebi has a usable capacity far greater than its raw capacity. Tegile’s award-winning technology solutions enable customers to better address the requirements of server virtualization, virtual desktop integration and database integration than other offerings. Featuring both NAS and SAN connectivity, Tegile arrays are easy-to-use, fully redundant, and highly scalable. They come complete with built-in auto-snapshot, auto-replication, near-instant recovery, onsite or offsite failover, and virtualization management features. Additional information is available at www.tegile.com. Follow Tegile on Twitter @tegile.

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